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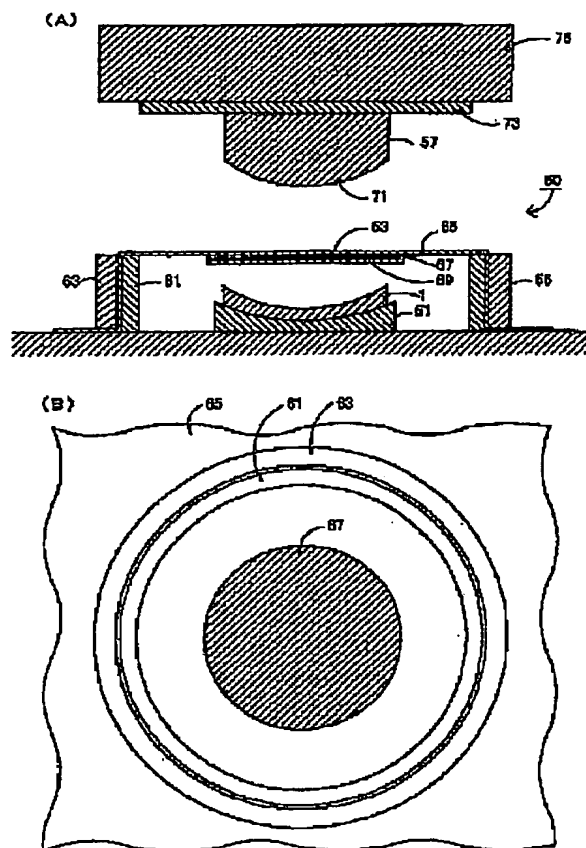
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TITLE : METHOD FOR DYEING PLASTIC LENS
AND TRANSFER DEVICE



ABSTRACT : PROBLEM TO BE SOLVED: To produce a dyed plastic lens of stable hue free from unevenness by improving working environment and facilitating the regulation of a concn.

SOLUTION: A transfer sheet 53, formed by screen printing a polyethylene film 65 of about 50 microns in thickness which is merely subjected to a static eliminating treatment with a colored layer 67 by oily ink dissolved or particulate dispersed with a sublimatable dyestuff and a tacky adhesive layer 69, is previously prepd. This transfer sheet 53 is fixed with uniform tension to a circular film holder 55 and is set above a plastic lens 1 fixed to a lens holder 51 by positioning its concave surface upward. The colored layer 67 is then transferred to the concave surface of the lens 1 under a transfer pressure of 6 kg/cm² by pressing pad 57 of which the pressing surface 71 is uniformly heated to 30 to 70°C. After this film 65 is stripped, the sublimatable dyestuff is sublimated and penetrated into the lens 1 by heating for 5 to 120 minutes within a range of 80 to 160°C and thereafter, the ink and tacky adhesive remaining on the lens surface are washed away.

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